

WHAT IS CLAIMED IS :

1. A device for moving headrest back and forth comprising a stay 114 mounted with a horizontal portion 112 and a pair of parallel vertical portions 110; a ratchet member RM 5 provided with a gear portion 116 formed with a plurality of teeth 116a and a jaw 116b; a tilt adjusting device TAD comprising a pair of parallel members, each having a lower portion in pivotal engagement with the horizontal portion 112 of said stay 114; a check member CM comprising one or a pair of pivotable gears 120 having teeth 120a to travel on and engage with the teeth 116a of said ratchet member RM installed so that the reverse 10 rotation of said tilt adjusting device TAD may be prevented; a back and forth movement device MD comprising a pair of parallel members, one end of which is pivotably connected to the horizontal portion 112 of said stay 114 and arranged to move the headrest back and forth; a first torsion coil spring 130, two ends of which are respectively hooked on the horizontal portion 112 of said stay 114 and one of the parallel members of said tilt 15 adjusting device TAD or said back and forth movement device MD; one or a pair of second torsion coil springs 121 having one end hooked on said pivotable gear 120; and a mobile shaft 122 axially mounted to pass through upper portions of the parallel members of said back and forth movement device MD.
- 20 2. The device for moving headrest back and forth as claimed in claim 1, further comprising one or a pair of mounting panels 124 fixed on said mobile shaft 122.
3. The device for moving headrest back and forth as claimed in claim 1 or 2, wherein 25 said ratchet member RM is installed on the horizontal portion of said stay 114, or one of parallel members of either said tilt adjusting device TAD or said back and forth movement device MD.
4. The device for moving headrest back and forth as claimed in claims 1 or 2, wherein 30 said ratchet member RM has two opposite gear portions 116 and is installed on the horizontal portion of said stay 114, or one of parallel members of either said tilt adjusting device TAD or said back and forth movement device MD.

5. The device for moving headrest back and forth as claimed in any of the preceding claims, wherein said pivotable gear 120 has a jaw 120b for interacting with the jaw 116b of said ratchet member RM and is pivotably arranged on either a support fixed on the horizontal portion 112 of said stay 114 or one of the two parallel members of said tilt 5 adjusting device TAD or said back and forth movement device TAD.

6. The device for moving headrest back and forth as claimed in any of the preceding claims, wherein the parallel members of said tilt adjusting device TAD or said back and forth movement device MD are installed in pivotal engagement with the horizontal portion 10 of said stay 114 by means of a shaft passing through the holes in said members and said ratchet member RM or said support for said pivotable gear 120.

7. The device for moving headrest back and forth as claimed in any of the proceeding claims, wherein one end of said first torsion coil spring 130 is hooked on said ratchet member RM or said support for said pivotable gear 120 fixed on the horizontal portion of 15 said stay 114.

8. The device for moving headrest back and forth as claimed in claim 7, wherein said first torsion coil spring 130 is wound around the horizontal portion of said stay 114.

20 9. The device for moving headrest back and forth as claimed in any of the proceeding claims, wherein said second torsion coil spring has the other end hooked on one of the parallel members of said tilt adjusting device TAD or said back and forth movement device MD.